MICROCONTROLLERS

MODULE 2

LED PROGRAMS

A. From the circuit shown answer the following questions



i. Draw the schematic diagram for the above circuit.

ii. Now connect the circuit to pin 15.Write a program using Basic stamp 2 to switch on and off LED for 1 second.

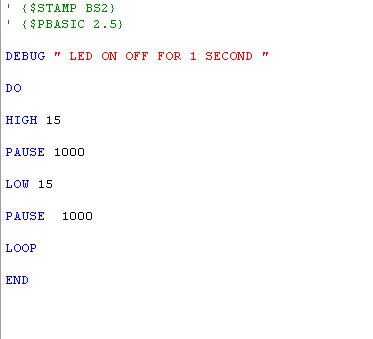
iii. Modify the program to switch LED ON for 0.5 second and OFF for 0.25 second.

iv. Modify the program for LED to flash for 20 times.

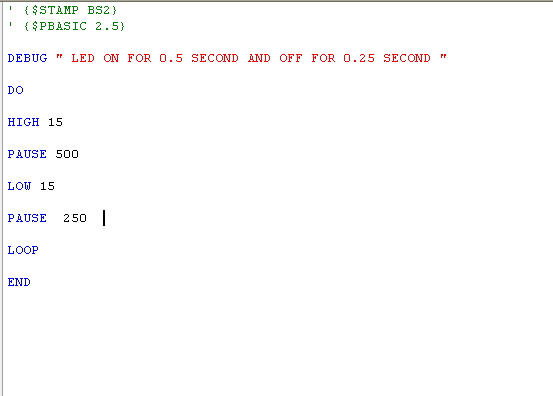
v. What is the value of the resistor used in the circuit.

**SOLUTION:**

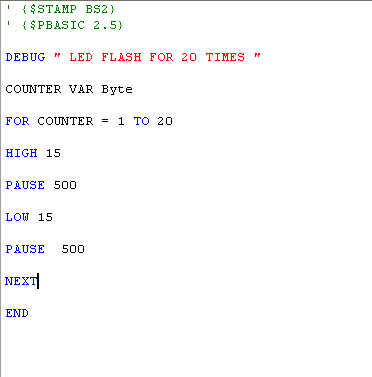
1. ****

****

**iii.**

****

**IV.**

****

**V. 470 OHMS.**